

## REGISTRATION FORM

National Conference  
on  
“Recent Advances in  
Materials Science and Technology”

12<sup>th</sup> & 13<sup>th</sup> February 2018

Organized by  
Department of Chemistry  
Ethiraj College for Women , Chennai - 600008

Name :  
Academic Qualification :  
Designation : Student /Research Scholar  
/Faculty/Industrialist  
Name of the Institute :  
Address for  
Communication :  
Mobile No. :  
Email id :  
Paper Presentation : Yes/No  
Paper Title :  
Details of Payment : DD / NEFT Details  
Place:  
Date:

Signature of the Participant

Registration fees include the Conference Kit, Lunch on both days & Tea/Coffee. Photocopies of the form may also be used.

National Conference  
On  
“Recent Advances in  
Materials Science and Technology”  
12.02.2018 & 13.02.2018



Organized by  
**DEPARTMENT OF CHEMISTRY**  
**Ethiraj College for Women (Autonomous)**  
Re-accredited with “A” grade by NAAC  
Affiliated to University of Madras  
Chennai 600 008, Tamil Nadu, India

## About the College:

Ethiraj College for Women is one of the Select Colleges nationwide recognized as “*College with Potential for Excellence*”. It was founded by the illustrious barrister-at-law, Shri.V.L.Ethiraj in 1948. This premier institution dedicated to the cause of women's education has been ranked No.1 in Internal Quality Audit carried out by IQAC - University of Madras, and is re-accredited with 'A' Grade by NAAC in 2013.

The College enjoys the pride of offering 30 UG courses, 22 PG courses including AICTE approved MCA & MBA, 21 research programmes (M.Phil & Ph.D) for around 8000 students. The College has a dedicated team of 300 faculty members who maintain Academic excellence for the students who anchor to sustain the vision of the institution. The College is awarded the 16<sup>th</sup> rank at the All India level by the National Institutional Framework under the Ministry of Human Resources Development 2016-17. The high standards of Academic excellence have helped in the integrated development of Ethirajians enabling them to face the future with courage and confidence.

## About the Department:

The College which was founded in 1948 in post independent era, with a mission to educate women as equal citizens, rightfully clinched a science course in Chemistry at the intermediate level. The department which was offering Chemistry at both Allied and Major level for UG course since 1957 was upgraded to a post graduate department in the year 1989. The department was recognized as a Research department in the year 2005 offering M.Phil. programme and Ph.D programme in 2012.

At present the department has 11 vibrant faculty members. The department has excellent infrastructure with well equipped laboratories and a common Instrumentation centre to cater to the needs of research scholars of the institution and other city colleges. The department of Chemistry since its inception has turned out young intelligent Researchers, Chemists and Teachers. The department has a tradition of organising Seminar, Workshops at National/ State level for the benefit of the students and staff. In the recent years the department of Chemistry organised a UGC sponsored National Symposium on “Emerging Trends in Nano Science Research” in December 2014, a State level workshop on “Frontiers in Chemical Biology” in February 2016 and a State Level Workshop on “Computational Chemistry” in March - 2017. The Department of Chemistry is organising a National Conference on “Recent Advances in Materials Science and Technology” to commemorate the Diamond Jubilee year of the department in February 2018.

## About the Conference :

The interdisciplinary field of Materials Science involves the discovery, design and fabrication of new materials. In today's context of ever rising demands in

energy and resource globally, there is an immense need to develop an eco-sufficient methodologies that are economically viable. The development of smart materials and their applications in the fields range from rural electrification to unmanned space station. Such growth covers areas of advanced material processing, their characterisation, computational modelling and simulation, evaluation of performance and ultimately device fabrication. Most of the human problems arise due to the depleting material resources. Hence there is an urgent need for cutting edge research on Science and Technology of materials. These breakthroughs in the field of Materials science, nano-science and technology will change all aspects of human life in diverse areas such as, electronic devices, energy, biomedicine, sensing, environment, and security etc. It will improve the quality of human life to a greater extent. The core aim of the National Conference is to provide a scientific platform for the researches, scientists and engineers to have a fruitful discussion and strengthen the knowledge of materials and their innovative developments in terms of function, ease of applications, and discuss the practical challenges encountered and the solutions adopted.

## Call for Papers

The Organizing Committee invites papers from the faculty and research scholars for presentation on the thrust areas given below and provide innovative ideas through healthy discussions. Papers that are of original research contributions will only be accepted for presentation. Selected papers for oral presentation will be intimated. The proceedings of the conference will be released.

The topics of interest include but not limited to

- Semiconductor materials and devices
- Smartmaterials – Graphene, Silane, Nitrides,
- Polymericmaterial
- Biomaterial
- Sensors
- Electronic,Optical andMagnetic materials
- Nanotechnology/ Nanomaterial
- Energy harvesting and Energy storage devices
- Ceramics and Composite materials
- Emerging Technologies

## Abstracts

The abstracts of the paper should be submitted to the mail id ethichemmaterial2018@gmail.com on or before 30/12/2017. It should be typed in MS word using Times New Roman with font size 14 for title and 12 for content and 1.5 line spacing with margin of 1” on all four sides. The abstract should not exceed 250 words. The abstract will be reviewed by the members of the Advisory Board. The acceptance will be intimated for oral presentation by 04/1/2018. The name of the authors should be in *Italics* and the presenting author must be underlined. The full paper should be submitted online on or before 19/1/2018 and it should not exceed 5 pages. The full paper in A<sub>4</sub> size should be prepared using MS word 2007.

## Publication

All the received manuscript will be recommended to the Reviewer Board of an IRJET (“International Research Journal of Engineering & Technology”, UGC approved journal) ISSN No:2395-0056, for publication online as special issue. Publication charge per paper is Rs 500/-.

## Important Dates

Online Submission of Abstract with completed Registration form: 30/12/2017

Intimation of Acceptance of Abstract: 04/1/2018

Online submission of Full Paper: 19/1/2018

## Registration fee:

Industrialist:Rs1000

Faculty: Rs.750

Research Scholars: Rs.500

Students: Rs.300

TA will be provided for Paper presenters from outside Chennai on producing II class Train ticket. The Registration fees should be paid either through NEFT transaction or by Demand Draft.

**Accommodation:** Accommodation will be provided on request in the nearby hotels to be paid in full by the participant.

## NEFT Details

Bank Account Number : 153801000039720

Account Name : CHEMSHOP

Bank Name : Indian Overseas Bank

Branch : Women Entrepreneur Branch

Bank Address : Ethiraj College Campus, Egmore, Chennai – 600008

IFSC Code : IOBA0001538

Type of Account : SB

## Demand Draft Payments

The demand draft should be drawn in favour of NCRAMST 2018 payable at Chennai. Please mention your Name & Mobile No. at the back side of the DD. The DD along with registration form may be sent to the Organising Secretaries.

Dr. G.Caroling or Dr.A.Mercy Ranjitham

Associate Professor

Department of Chemistry

Ethiraj College for Women

70, Ethiraj Salai

Chennai – 600008

Phone -9941281582/9791152987

## National Conference on

“Recent Advances in Materials Science and Technology”

### Patron

**Thiru V.M. Muralidharan**

Chairman, Ethiraj College Trust

### Chair Person

**Dr.A.Nirmala**

Principal & Secretary

### Convener

**Dr.P.Shanthi**

Associate Professor & Head

Department of Chemistry

### Organizing Secretaries

**Dr.G.Caroling**

Associate Professor

Department of Chemistry

**Dr. A.Mercy Ranjitham**

Associate Professor

Department of Chemistry

### List of Speakers

• **Dr. B.S.Murthy**

Professor and Head

Department of Metallurgical and Materials Engineering

Indian Institute of Technology, Chennai

• **Dr. Samir H. Chikkali**

Associate Professor

Polymer Science and Engineering Division

CSIR-National Chemical Laboratory, Pune

• **Prof. Kuruvilla Joseph**

Senior Professor & Head

Indian Institute of Space Science and Technology (IIST)

Thiruvananthapuram, Kerala

• **Dr.Swarnagowri Addepalli**

Consulting Technologist

Centre for Nanoscience and Engineering

Indian Institute of Science

C.V. Ramam Road, Bangalore

### Advisory Committee

**Dr. V.Narayanan**

Associate Professor

Department of Inorganic Chemistry

University of Madras, Guindy Campus, Chennai – 600025

**Dr. R.Jayavel**

Professor and Director (Research)

Centre for Nanoscience and Nanotechnology

Anna University, Chennai -600025

### Organizing Committee

1. **Dr. S.Kothai** - Associate Professor

2. **Tmt.M.Vijaya** - Associate Professor

3. **Dr. L.Leelavathy** - Associate Professor

4. **Tmt. V.Usha** - Assistant Professor

5. **Dr.S.Sudha Parimala** - Associate Professor

6. **Tmt.P.Thilagavathy** - Assistant Professor

7. **Dr. G.Gohulavani** - Assistant Professor

8. **Tmt. A.Saranya** - Assistant Professor